

System for electro-chem-etch marking

AntiBlotch Feature

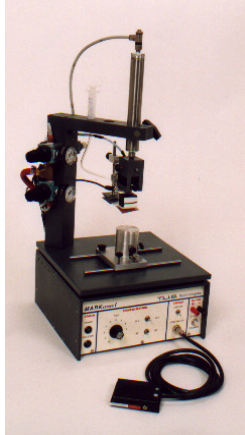
to maximize mark quality and uniformity especially for marks with wide and bold lines, large etched areas and decorative etchings

Roll Mark Feature

to mark on cylindrical surfaces

Deep Etch Feature

for fast precise uniform shallow depth etches



Process: Nondestructive, Fast, Clean

Permanent inscriptions are made in seconds. Mild electrolyte and low voltage current etch the metal surface through openings in a stencil. Only the legend in the stencil is etched into the part surface. Marks/inscriptions cover from very small to large areas. Depth, darkness and shade of inscription are controlled through time, current, electrolyte and marking cycle.

Typical Applications

Mark in seconds, with great detail and accuracy permanent inscriptions, part numbers, date codes, designs, logos, on parts of all shapes and sizes made of metals, alloys, steels, carbides; on black and blue oxide, plated/coated parts; on thin and delicate work, large and small, soft and hardened pieces, flat and curved surfaces.

MARK I/P-AB/R

\$ 4950.00

Machine can be mounted on top of control unit or separately.

Customized machine layout / dimensions, marking heads, work fixtures will be quoted on request

MARK I/P-AB/R Marking Machine-pneumatic: anti-blotch / roll mark / deep etch system and controls; marking head height adjustment; pneumatic pressure regulator with gauge; stroke speed adjustment; electrolyte feed from metering syringe, or optional precision metering pump.

Standard Configuration: Machine Base: 12 x 12"; Vertical Head Height Adjustment: 5" max; Vertical Stroke: 4" max; Vertical Clearance: 5" max; Horizontal Roll Mark Stroke 0.5".

Adjustable Stencil Holder: X-Y-Z adjustable stencil fixture for fast, clean change of flexible framed stencils. It travels up and down with the marking head to provide for maximum clearance for loading and unloading of parts. Flexible stencils are independent of marking head and work, and follow the contour of parts.

Quick Change Marking Head Assembly: Vertically/rotationally adjustable marking head position. Internal electrolyte feed to marking head. Flat or shaped heads to fit contour of part. **Marking Head: 1-1/2x1-1/2" flat.**

Quick Adjust Work Holding Assembly: Adjustable fixture; tilts; rotates; x-y slides on tracks; adapts quickly to work of different shape and size. Mounted on base plate of marking machine. **Standard Exchangeable**

Work Fixture: 2" dia. flat

MARK I-AB/R Power/Control Unit: power outlets front and rear; timer for marking/accessory cycle; marking cycle indicator light; light/dark mark selector; marking power selector 12V/24V; AC/DC; accessory outlet front and rear; footswitch; set of marking cables

Technical Data: Power: 110 VAC, 60 Cycles; (or 220 VAC, 50 Cycles); Air Supply: Max. 120 PSI; Machine Base Plate: approx. 12x12"; Control Unit: approx. 12x5.5x12"; Total Weight: approx: 30 lbs / 14 kg; Units are built mostly of non corroding, easily cleaned and maintained material.

Optional custom marking heads and fixtures available on request. Machine height can be customized.

Optional fixture with stop: optional upon request

Optional Electronic Precision Metering Pump for Electrolyte: optional upon request, recommended for increased productivity

Delivery: Equipment approximately 2 weeks, high performance stencils 1-2 days, supplies ex stock

Prices are in US Dollars, FOB Dartmouth, Massachusetts, USA, subject to change without notice.

Terms: 50% downpayment due upon order, 50% due upon delivery